

Tightening torques	Model		Nm	(kpm)
Spherical collar bolt for fixing rims	100	M 14 x 1.5	170	(17)
	107, 108, 109, 111, 113, 114, 115, 116, 123	M 12 x 1.5	100	(10)

## Conventional tools

Electric or compressed air power wrench with limited tightening torque of 100 Nm (10 kpm)

e.g. made by Atlas Copco  
No. LMS 26 HR 01

Hex. socket 17 mm for power wrench, OD max. 26.5 mm

e.g. made by Hazet, Remscheid  
No. 900 S

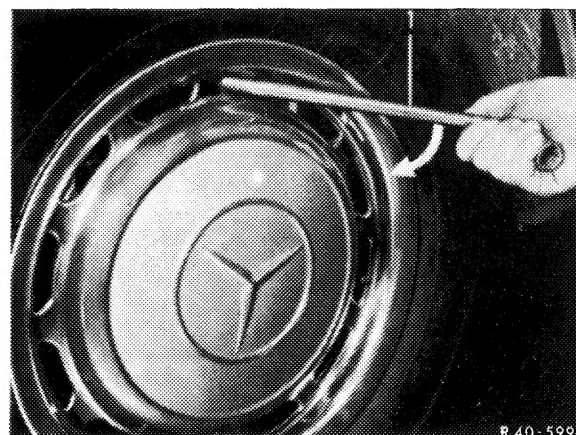
Torque wrench, automatically disengaging

e.g. made by Rahsol, Solingen  
No. 7562-1

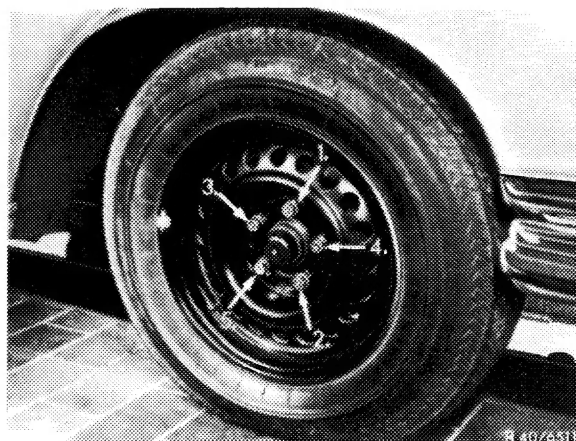
Take care that only the correct spherical collar bolts are used in each case for steel and light alloy rims.

## Ensure correct tightening torque.

- Remove wheel trims from steel rims.

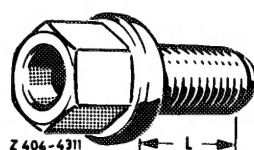


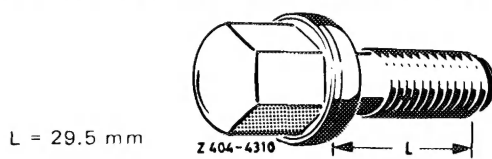
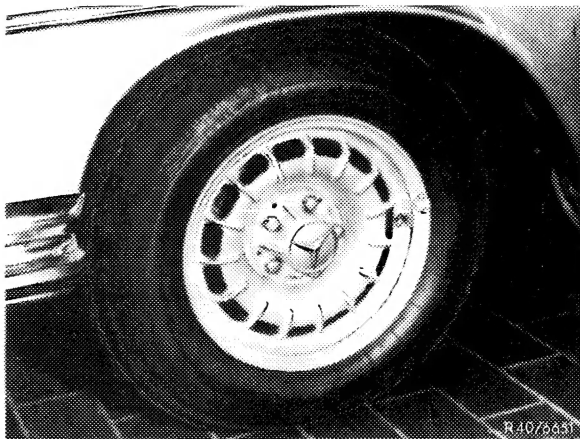
- Loosen opposite spherical collar bolts and unscrew.
- Remove rims.



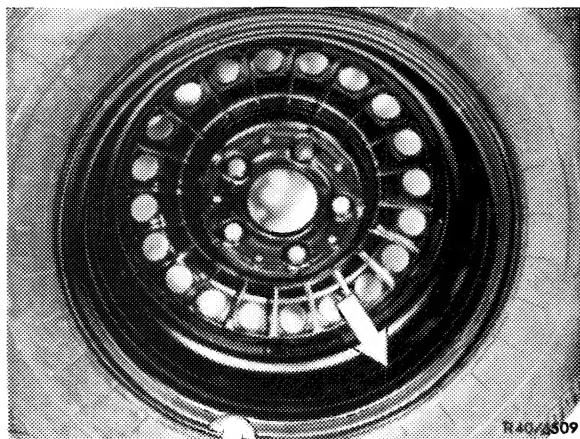
Steel rim with corresponding spherical collar bolt

L = 21 mm



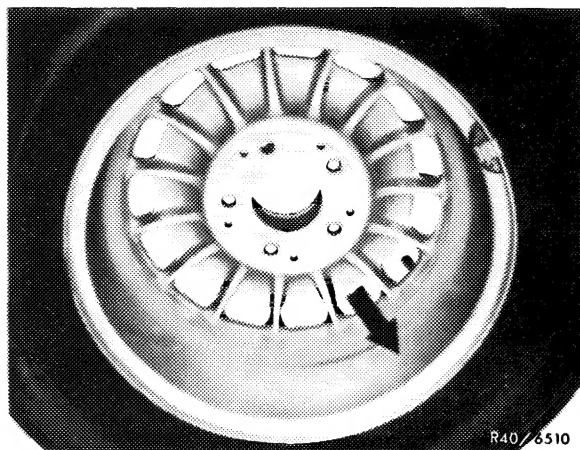


Light alloy rim with corresponding spherical collar bolt



Steel rim – wheel inside

- Check that inside of rim is clean. If necessary clean wheels.
- Check rims for damage.

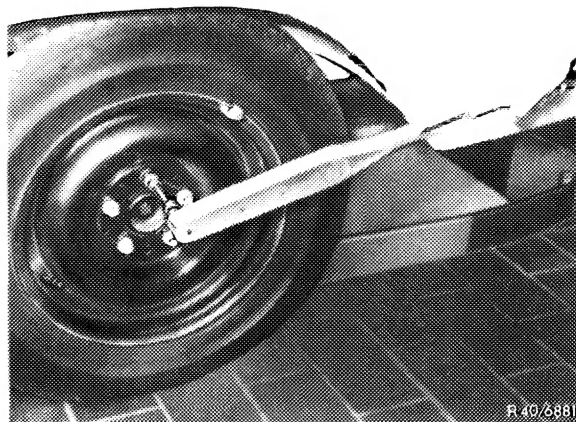


Light alloy rim – wheel inside

- Fit rims; tighten opposite spherical collar bolts in stages.

- Spherical collar bolts on steel rims can be tightened to about  $\frac{3}{4}$  of the prescribed tightening torque using a power wrench. Then the bolts must be tightened manually using the torque wrench.

**Note:** When using a power wrench to mount light alloy rims the socket should not have an outside diameter over max. 26,5 mm, since this would damage the hub of the disc.



Attach ornamental wheel mouldings to steel rims. For this purpose, position ornamental wheel moulding against rim in such a manner that the valve is located between two holding springs.

Then push ornamental wheel moulding first **vertically** in direction of valve (refer to arrow) and then push against side opposite valve.

